

# Installation Instructions for the 9500 CorrPro® Rotary Joint - 12 mm with Stationary Syphon

[fluidhandling.kadant.com/en/knowledge-center/installation-and-repair-instructions/corrpro-rotary-joint/installation-instructions-for-the-9500-corrpro-rotary-joint-12-mm-with-stationary-syphon](https://fluidhandling.kadant.com/en/knowledge-center/installation-and-repair-instructions/corrpro-rotary-joint/installation-instructions-for-the-9500-corrpro-rotary-joint-12-mm-with-stationary-syphon)

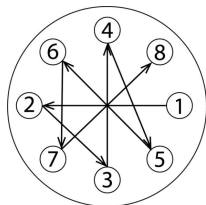
Effective: January 1, 2022



## Introduction

Read all of the instructions before proceeding.

Refer to Kadant Johnson assembly drawing for part identification and to drawing A37640 for torque specifications. For easy identification, parts used in individual steps are often accompanied with their position in the assembly drawing [e.g. gasket (8B)]. Tighten all fasteners in a star pattern. Certified drawings are available upon request. Dimensions are for reference only and subject to change.



## Safety



This safety symbol alerts you to risk of death or injury if the instructions are not followed. In all steps, death or injury may result if the machine is not de-energized, depressurized, cooled, and stopped. Death or injury may occur if the product is operated with a fluid type or at a pressure, temperature, or speed that do not meet its specifications. Death or injury may occur if heavy parts and pinch hazards are not handled properly. Follow your company's safety procedures.

## Tools


Assorted Combination Wrenches	30 to 250 lbs Torque Wrench
Assorted Sockets	Syphon Handling Tool

## Step 1

Remove existing equipment. Clean journal gasket surface.

Chase and clean tapped holes. If necessary, remove bearing cover.

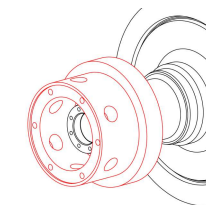
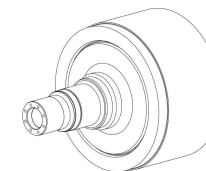
**Important:** Some applications reuse the bearing cover and/or journal flange. Carefully review your application and skip the steps that do not apply.

 Equipment must be cool and free of pressure.

## Step 2

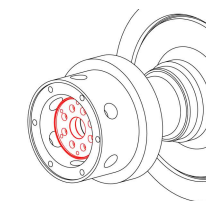
If using a bracket that is mounted to the machine face, install the bracket using the appropriate fasteners.

If the bracket is integrated into the bearing cover, follow the machine manufacturer's installation recommendations. The journal flange will need to be removed if its outer diameter is greater than the journal outer diameter.



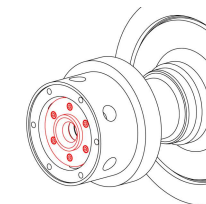
## Step 3

If applicable, install the journal flange using the correct gasket and/or O-ring(s).



## Step 4

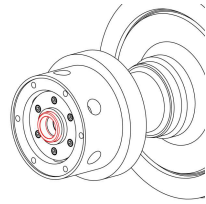
Install the wear plate using the applicable O-ring(s) and/or gasket.



## Step 5

Place three equally spaced drops of seal ring installation fluid on the conical side of the seal ring. Install the seal ring.

**Important:** Make sure the seal ring is centered and does not fall off the wear plate.



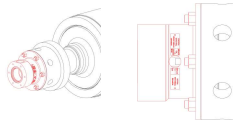
## Step 6

Install the body assembly to the bracket and secure with the provided fasteners (1A).

**Important:** Check the visual indicator to ensure proper set-up.

 Pinch hazard during installation.

 Spring force present during installation.



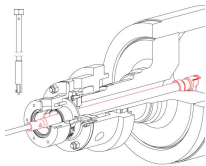
## Step 7

With the syphon straight, apply Loctite® 242 to the threaded insert. Insert the syphon into the journal and gently rotate the vertical leg to the six-o'clock position.

Insert the syphon handling tool until it contacts the insert. Turn the tool clockwise to engage the locking insert. Turn an additional two times to ensure engagement.

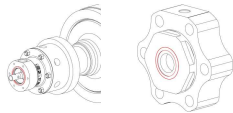
While applying pressure on the tool, rotate counterclockwise until the stamped "T" on the tool is facing up. Pull the tool back approximately 1" (25 mm). Push the tool forward while turning the tool clockwise. The insert will begin to thread into the vertical leg. Tighten the insert to 50 ft-lbs (68 Nm).

**Tip:** Pull the syphon toward you to confirm that the vertical leg is locked.



## Step 8

Apply anti-seize to the threads and tapered portion of the horizontal tube. Lubricate and install a cup seal (12 and 2E) in the body and head.

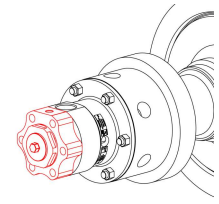


## Step 9

Position the head on the horizontal tube. Finger tighten the nut on the horizontal tube.

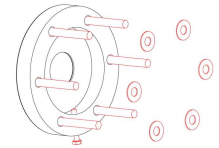
**Important:** Make sure that the key on the horizontal pipe is engaged with the keyway on the head.

**Note:** Orient the outlet connection in the desired position.



## Step 10

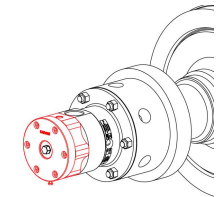
Turn the adjustment screw until it is below the ID of the retaining ring. Insert the cap screws (2A) into the retaining ring. Slide the spring washers (2B) over the cap screws with the convex side facing the retaining ring.



## Step 11

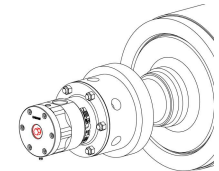
Install the retaining ring into the head. Fasten retaining ring and head to the body with cap screws. Torque 30 to 42 ft-lbs (41 to 57 Nm).

**Important:** Install the retaining ring and head so that they are centered on the body.



## Step 12

Torque the horizontal tube nut to 175 to 200 ft-lbs (237 to 271 Nm). Pipe the rotary joint.



### IS-9500CorrPro-12mm-Stationary-1

The Kadant Johnson Warranty

Kadant Johnson products are built to a high standard of quality. Performance is what you desire; that is what we provide. Kadant Johnson products are warranted against defects in materials and workmanship for a period of one year after the date of shipment. It is expressly understood and agreed that the limit of Kadant Johnson's liability shall, at Kadant Johnson's sole option, be the repair or resupply of a like quantity of non-defective product.

Kadant Johnson rotary joints and accessories could be subject to European Pressure Equipment Directive 2014/68/EU (PED). Modifications or changes to rotary joints and/or accessories are only permitted upon approval of Kadant Johnson. Only genuine Kadant parts and original accessories will ensure the safety of these assemblies. The use of other than original parts voids the warranty and will lead to forfeiture of the declaration of conformity and will invalidate any liability for damages caused thereby.